



AVOX Systems

SERVICE INFORMATION LETTER

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OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

TEST DATA SHEET FOR P/N 802029-00 Oxygen Regulator Assembly

1. BACKGROUND

- A. Overhaul Manual 35-11-68 specifies the tests that must be passed in order to return a unit to service. This SIL provides a standardized form on which to record the results of the required functional tests. This form will be incorporated into the Overhaul Manual at the next revision.
- B. You are authorized to copy the form on page 2. If you copy the form on page 2, you must copy all of the form.
- C. Use this form only for the AVOX Systems component printed on the form. Do not use this form for any other AVOX Systems components or for any components of another company.

2. EFFECTIVITY

- A. Aircraft
The Test Data Sheet on page 2 can be used for all units whether removed from any aircraft or from spares inventory.
- B. This SIL applies to P/N 802029-00 Oxygen Regulator Assemblies only.

3. MATERIALS

The only material required by this SIL is the Test Data Sheet on page 2.

4. ACCOMPLISHMENT OF SIL

- A. Make complete copies of the Test Data Sheet on page 2.
- B. Use a copy of the Test Data Sheet from page 2 to record the results of tests whenever a P/N 802029-00 Oxygen Regulator Assembly is tested.

5. TO CONTACT AVOX SYSTEMS:

Use the contact information below to get a copy of an Overhaul Manual or the revision status of a publication. Give the AVOX Systems part number and the aircraft model when you request an Overhaul Manual copy.

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**OVERHAUL MANUAL 35-11-68
TEST DATA SHEET
802029-00 Oxygen Regulator Assembly**

Tested by: _____

Date: _____

Part Number: 802029-00

Inspected by: _____

Date: _____

Serial Number: _____

Refer to the Inspection/Check, Testing, and Trouble Shooting sections of OVERHAUL MANUAL 35-11-68.**4. Inspection/Check**

Inspect the assembly and components for evidence of external damage, scoring, thread damage, and overall condition. Verify no evidence of deterioration to elastomer components. Verify that any parts that are no longer serviceable have been replaced.

☐ FAILPASS ☐**8. Test Procedures****A. Relief Valve Tests**

Perform cracking pressure, flow, and reseal pressure tests.

Inlet Pressure (psig)	Relief Valve Flows Oxygen	Inlet Pressure (psig)	Relief Valve Flow (lpm)		Inlet Pressure (psig)	Valve Reseats & No Leakage from Relief Valve
390 ± 20	☐ FAIL PASS ☐	450 MAX	200 min.	☐ FAIL PASS ☐	360 min.	☐ FAIL PASS ☐

8. Test Procedures**B. External Leakage Test**

Perform an external leakage test.

Inlet Pressure (psig)	Duration (minutes)	0 Leakage Allowed
2000	2.0	☐ FAIL PASS ☐

8. Test Procedures**C. Internal Leakage Test**

Perform an internal leakage test.

Inlet Pressure (psig)	Duration (minutes)	0 Leakage Allowed
500	2.0	☐ FAIL PASS ☐
2000	2.0	☐ FAIL PASS ☐

8. Test Procedures**D. Flow Tests**

Perform a flow test.

Inlet Pressure (psig)	Outlet Flow (lpm)	Outlet Pressure Range 250 - 350 (psig)
2000	150 100 2 0	☐ FAIL PASS ☐
500	150 100 2 0	☐ FAIL PASS ☐

NOTE: FLOWS ARE GIVEN FOR OXYGEN TEST GAS @ NTPD.
APPLY THE APPROPRIATE CORRECTION FACTOR IF ANOTHER MEDIUM IS USED.